

Commonwealth of Kentucky
Division for Air Quality
EXECUTIVE SUMMARY

FINAL

Conditional Major / Operating

Permit: F-06-072

Ceradyne, Inc

2416 Merchant Street.

Lexington, KY 40511

May 8, 2007

Luis D. Fuentes

SOURCE ID:	21-067-00180
AGENCY INTEREST:	55753
ACTIVITY:	APE20060002

SOURCE DESCRIPTION:

Ceradyne, Inc. facility, located in Lexington, Kentucky has two process areas: ceramic forms and hot press (armor plates). Ceradyne operates six different manufacturing processes on site: heating curing and incinerator; grinding booth; shot blast; power preparation; mechanical pressing; and binder removal.

State Minor Permit S-05-178 was issued to Ceradyne on October 24, 2005 for the operations listed above. A permit revision S-05-178R1 was completed on December 12, 2005 due to an increase of production rate on the Hot Press Line.

Ceradyne has submitted an application for installing a new fourth armor plate line LX4 in the hot press process area. They also plan to purchase and install the necessary support equipment for upgrading the armor plate line LX3- mini up to the same capacity as armor plate lines LX1 and LX2. The capacity of the ceramic line does not change as a result of adding line LX4.

PUBLIC, EPA, AND AFFECTED STATE REVIEW:

On February 12, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in the *Lexington Herald Leader* in Lexington, Kentucky. In addition, notification of the issuance of the draft permit was sent to EPA on May 8, 2007 via e-mail. No states are affected by this permit action. The public comment period expired 30 days from the date of publication. No comments were received during this period. The permit is now being issued final.